

WHAT IS CLAIMED IS:

*Sub B1*

1. A receiving apparatus for receiving a second digital broadcasting signal generated by applying a modulation conversion method to a first digital broadcasting signal, comprising:

input means for inputting a service number which the user selects;

determination means for determining whether the service number is a predetermined service number;

reporting means for reporting to the user that the information corresponding to the service number is not found, when said determination means determines that the service number is the predetermined service number; and

extracting means for extracting the information corresponding to the service number from the second digital broadcasting signal when said determination means determines that the service number is not the predetermined service number.

2. A receiving apparatus according to Claim 1, wherein the information corresponding to the predetermined service number is the information of a program promotion in the first digital broadcasting signal.

3. A receiving apparatus according to Claim 1,  
wherein the first digital broadcasting signal is a  
digital satellite-broadcasting signal conforming to the DVB  
standard, and  
the second digital broadcasting signal is a digital  
CATV broadcasting signal conforming to the DVB standard.

4. A data conversion apparatus for receiving a first  
digital broadcasting signal and for generating a second  
digital broadcasting signal, comprising:  
detection means for detecting a network information  
table in the received first digital broadcasting signal;  
storage means for storing the network information table  
detected by said detection means;  
control means for reading the network information table  
stored in said storage means, for changing a part of the  
data of the network information table, and for generating a  
network information table used for the second digital  
broadcasting signal; and  
transmitting means for transmitting the second digital  
broadcasting signal, including the generated network  
information table, to the outside.

5. A data conversion apparatus according to Claim 4,  
wherein the first digital broadcasting signal is a

digital satellite-broadcasting signal conforming to the DVB standard, and

the second digital broadcasting signal is a digital CATV broadcasting signal conforming to the DVB standard.

6. A data conversion method for receiving a first digital broadcasting signal and for generating a second digital broadcasting signal, comprising:

a detection step of detecting a network information table in the received first digital broadcasting signal;

a storage step of storing the network information table detected in said detection step;

a control step of reading the network information table stored in said storage step, of changing a part of the data of the network information table, and of generating a network information table used for the second digital broadcasting signal; and

a transmitting step of transmitting the second digital broadcasting signal, including the generated network information table, to the outside.

7. A data conversion method according to Claim 6, wherein the first digital broadcasting signal is a digital satellite-broadcasting signal conforming to the DVB standard, and

the second digital broadcasting signal is a digital  
CATV broadcasting signal conforming to the DVB standard.

8. A receiving method for a receiving apparatus for  
receiving a second digital broadcasting signal generated by  
applying a modulation conversion method to a first digital  
broadcasting signal, comprising:

an input step of inputting a service number which the  
user selects;

a determination step of determining whether the service  
number is a predetermined service number;

a reporting step of reporting to the user that the  
information corresponding to the service number is not found,  
when it is determined in said determination step that the  
service number is the predetermined service number; and

an extracting step of extracting the information  
corresponding to the service number from the second digital  
broadcasting signal when it is determined in said  
determination step that the service number is not the  
predetermined service number.

9. A receiving method according to Claim 8,  
wherein the information corresponding to the  
predetermined service number is the information of a program  
promotion in the first digital broadcasting signal.

10. A receiving method according to Claim 8,  
wherein the first digital broadcasting signal is a  
digital satellite-broadcasting signal conforming to the DVB  
standard, and

the second digital broadcasting signal is a digital  
CATV broadcasting signal conforming to the DVB standard.

11. A providing medium for providing a computer-  
readable program which makes a receiving apparatus for  
receiving a second digital broadcasting signal generated by  
applying a modulation conversion method to a first digital  
broadcasting signal execute processing, the processing  
comprising:

an input step of inputting a service number which the  
user selects;

a determination step of determining whether the service  
number is a predetermined service number;

a reporting step of reporting to the user that the  
information corresponding to the service number is not found,  
when it is determined in said determination step that the  
service number is the predetermined service number; and

an extracting step of extracting the information  
corresponding to the service number from the second digital  
broadcasting signal when it is determined in said

determination step that the service number is not the predetermined service number.

12. A providing medium according to Claim 11, wherein the information corresponding to the predetermined service number is the information of a program promotion in the first digital broadcasting signal.

13. A providing medium according to Claim 11, wherein the first digital broadcasting signal is a digital satellite-broadcasting signal conforming to the DVB standard, and  
the second digital broadcasting signal is a digital CATV broadcasting signal conforming to the DVB standard.